

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of claims:**

1. (currently amended) A method of inducing weight loss in a mammal comprising administering a ciliary neurotrophic factor comprising the sequence of SEQ ID NO:16 or 17, wherein the administration is via to either the nasal or the respiratory passages of said mammal.
2. (original) The method of claim 1, wherein the mammal is a human.
3. (currently amended) The method of claim 2, wherein ~~said method is for the treatment of excess weight is due to~~ diet induced obesity.
4. (original) The method of claim 2, wherein said ciliary neurotrophic factor protein is AX-15.
5. Cancelled.
6. (previously cancelled)
7. (Amended once) A method of ~~treating gestational or adult onset diabetes~~ reducing insulin resistance, increasing insulin sensitivity, or improving glucose disposal in a human comprising administering a ciliary neurotrophic factor comprising the sequence of SEQ ID NO:16 or 17 to either the nasal or the respiratory passages of said human.
8. (currently amended) The method ~~according to any one of claims 1-7~~ of claim 1 or 7, wherein said ciliary neurotrophic factor protein is pegylated.

9. (currently amended) The method ~~according to any one of claims 1 to 7 of claim 1 or 7~~, wherein said ciliary neurotrophic factor protein is administered intranasally.
10. (currently amended) The method ~~according to any one of claims 1 to 7 of claim 1 or 7~~, wherein said ciliary neurotrophic factor protein is administered intratracheally.
11. (currently amended) The method ~~according to any one of claims 1 to 7 of claim 1 or 7~~, wherein said ciliary neurotrophic factor protein is administered by use of a nebulizer.
12. (amended previously) The method of claim 7, wherein said ciliary neurotrophic factor protein is AX-15.
- 13-19. Cancelled.
- Claims 20-22 (previously cancelled)